

Integration Timeline- Seabreeze High School- Academy of Drafting & Design

Drafting and Design I and Honors Geometry

Van Deventer/Urquhart

Grade 9/10

First Semester: August 16 – December 16

Course	August	September	October	November	December	January
Drafting Design I	Introduction to Drafting (engineering)	Engineering Drawing CAD (bridges)	CAD Pattern Making (folding carton)	CAD Pictorials (isometrics)	CAD Section Views	Introduction to Architecture (CAD)
Honors Geometry	Transformation Points, Lines, and Planes	Deductive, Mathematical Reasoning, Parallel and Perpendicular Lines	Perpendicular Bisector, median and Altitude	Triangle Congruency Distinguish between parallelograms, rectangles, rhombuses, squares	Area and Perimeter of quadrilaterals Ratio and Proportion Proving Triangles Similar	Right Triangles Trigonometric Ratios

Second Semester January 3 – May 27

Course	January	February	March	April	May	June
Drafting Design I	Con't. of architecture	Con't. of architecture	Drafting Industry Careers	Illustrative Design	CAD Auxiliary Views	
Honors Geometry	Properties of polyhedrons an spheres • Identify cross sections and calculate the area and perimeter of cross sections	Surface Areas and Volumes of Polyhedrons and Spheres Components of Circles • Circles circumscribed and inscribed about and around polygons.	Angle and Segment Relationships • Circumference and Area of a Circle Circumference	• Measure of interior and exterior angles of polygons Measure of interior and exterior angles of polygons	Characteristics of Polygons Final	